

# AQUATORCH KS-920

ELASTOMER MODIFIED BITUMEN ANTI-PUNCTURE WATERPROOF MEMBRANE



## DESCRIPTION

KS-920 Elastomer modified bitumen anti-puncture waterproof membrane content with high quality bitumen as base material, adding (SBS) thermoplastic elastomer resin modified, and used imported chemical resistance agent, formulated a elastomer modified bitumen anti-puncture waterproof membrane through a special process. Enhanced the inside base material, external covered with polyethylene film (PE) or mineral pellets and other different kinds of surface materials.

## PRODUCT FEATURE

- The dual function of waterproof and anti-plant root penetrate, and withstand the puncture of plant roots. Keep waterproofing function for a long time.
- Not only prevent plant roots penetrate, but also keep the plants growing normally.
- The high strength waterproof layer can be formed, which is strong in resisting pressure from water, and resistant of puncturing, cutting, tearing and anti-fatigue.
- Excellent performance for high and low temperature, suitable for hot and cold regions.
- The thickness of modified bitumen coating is large, and the adaptability of the modified bitumen to the shrinkage and deformation and cracking of the base layer is strong.
- Corrosion resistance, mold resistance, good weather resistance.
- Good construction performance, easy for operating, the hot melt lap seam reliable and durable.

## INSTALLATION

### Torch apply Substrate Preparation

The substrate should be strong, tight, smooth, clean and flat, no defects such as bumps, looseness, sands, pits and visible reinforced; Internal and external corners, pipe joints and other joints should be smoothed with cement mortar. The substrate must be dry.

### Application:

- Coating substrate treatment agent: the coating should be smooth and even. Do not repeat painting. Lay the membrane immediately after finishing coating the substrate treating agent to prevent dust contaminated. For the dusting substrate, it needs to be re-coated the treating agent. Apply the inner and outer corner joints with a short handle brush evenly without any omission. After coating and drying (the film is not sticky), the membrane paving can be carried out.
- Reinforced waterproof layer: before widespread paving the membrane, paste the reinforced layer on the joints position according to relevant regulations and designing requirement. Generally the reinforced membrane is 500mm in width with fully bonded to the substrate.
- Positioning.
- Widespread paving membrane: On the treated substrate, leave the lap seam (100mm for both long and short sides) according to the width of the membrane. Make the datum line and pave the membrane according to the datum line. The paving should be even and straight. The size of the overlapping should be correct measurement and no distorting.
- Using torch-applied full bonding method. In the course of paving, firstly bond the initial edge strongly then execute the reciprocating heating by flame heater which nozzle is 0.3-0.5m from the membrane and the substrate heated position. Do not keep the flame at the same place for long time, otherwise it will cause the felt exposed or peeling. The heating should be evenly. Avoid over heating and burning the membrane. Roll the membrane to pave till the membrane surface is black glossy and within tiny bubble(not big amounts of bubble). Arrange one personnel to implement the venting and firming procedures.
- Lap seam treatment: Use a blowtorch to heat the top of the film and bottom membrane surface. Make sure the tight bonding of the asphalt between membranes. The melting asphalt will be extruded from the edge, forming 2-5mm width uniform asphalt strip.

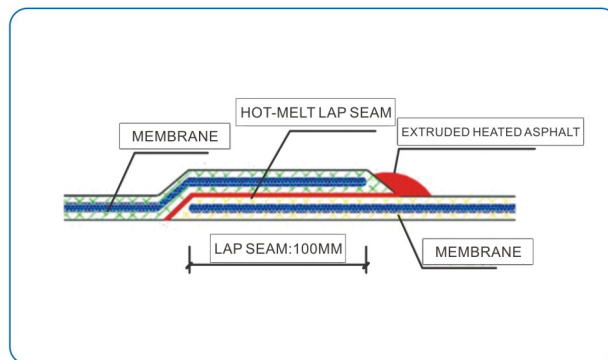
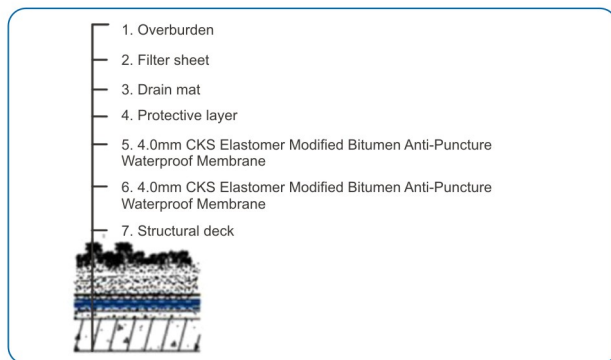
## MAIN APPLICATION

Waterproofing for all kinds of planting roof, not damage the plant roots with waterproofing function.

## ADVANTAGES

Excellent weather resistance, corrosion resistance.  
Good construction performance, convenience for operating.

## DETAIL DRAWINGS



## SUPPLY

Packing: 1m x 10m (10m<sup>2</sup>/roll)

## ATTENTION

After the complement of the waterproof course, pay attention to protect the course and avoid any damage. During the construction and before the acceptance of the project, all the personnel are prohibited to walk on the waterproof course wearing spike.

## PHYSICAL PROPERTIES

Implemented Standard: Q/SDKS 045-2016

No.	ITEMS		INDEX		
			Polyester(PY)	Copper foil(Cu)	Composite copper(Cu-PY)
1	Soluble content(g/m <sup>2</sup> )≥	4mm	≥2900		
		5mm	≥3500		
2	Heat resistance	°C	105		
		≤mm	2		
		Test phenomenon	No flowing, no dripping		
3	Low temperature flexibility/°C		-25 °C, No crack		
4	Watertightness, 30min / Mpa		0.3 MPa		



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